ROBYN CLARK

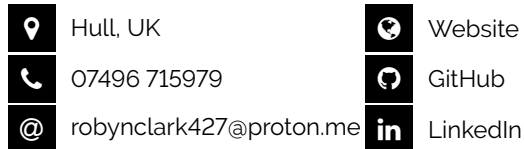## System Administrator

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WHO AM I?

I am a Computer Science student at the University of Hull with an interest in Linux System Administration. I enjoy working alongside others and am happy to help them with problems or concerns they may have. I like exploring various solutions to a problem to determine which would work better for the given situation.

EXPERIENCE AND VOLUNTEERING

2022 – Present — **Web Developer** — **Hull Computer Science Society**

As Webmaster at HullCSS it is my responsibility to:
- keep the website up to date with events and details
- manage the HullCSS GitHub organisation
- teach Git to society members
- advise on security and contribution policies for the society.

2022 – Present — **Linux System Administrator** — **Freeside**

As an admin at Freeside - the student run Linux user group - at the University of Hull I have had the opportunity to contribute to some of their projects like the Student Resource List as well as getting involved with system administration. Services managed include (all of which run Fedora Server or Fedora Workstation):
- two docker servers
- a FreeIPA server for user management
- a web server for hosting Freeside's websites and exposing services to the university's network
- a storage server for members' home directories
- a handful of desktops in our lab

2022 – 2023 — **Bar Staff** — **Hull University Students Union**

Bar Staff at HUSU Wetherspoons

2021 – Present — **Computer Science Course Representative** — **Hull University Students' Union**

As a course rep for Computer Science, part of my role involves liaising with students and university staff about the quality of the course. From this I have expanded my communication skills.

EDUCATION

2021 – Present — **Bachelor's Degree** — **University of Hull**

Currently in my second year of Computer Science. Modules include:
First Year:
- Algorithms and Data Structures
- Programming Portfolio
- Computational Thinking
- Professional Development
- Architectures, Operating Systems and the Cloud
Second Year:
- Databases and Networks
- Design Develop Deploy
- Artificial Intelligence
- User Interfaces and Experience
- Advanced Programming

2019 – 2021 — **A-Levels** — **York College**

Studied Computer Science (C), Sociology (A) and Psychology (C)

2014 – 2019 — **GCSE's** — **York High School**

Computer Science – 7
English Language, Physics, Chemistry, Maths – 6
Biology, History, French – 5
English Literature – 3

PROJECTS

I spend a lot of my free time coding and working on server admin, below is a list of some projects I have worked on / am working on.

2022 – Present **VPS**   **Personal**
Managing a VPS which runs services for my website. These include:
- Gitea for Git backups, along with a side container for mirroring my GitHub to it
- My blog built with the Zola static site generator
- LittleLink (open source self hosted linktree) for links.crimsontome.com
- nginx - for proxying services to my domain
- Docker Swarm/Compose for managing services -A handful of game servers

2021 – Present **System migration repository**   **Personal**
A repository containing an experimental bash script for migrating packages and git repos from one machine to another

2021 – Present **Virtual machine server**   **Personal**
Maintaining a Proxmov Virtaul Environment server. VMs include:
- unifi controller
- gitea
- TrueNAS
- OPNsense

2021 – Present **Blog site**   **Personal**
Developing a personal blog to document what I get up to. Created using Zola and hosted on my VPS

2021 – Present **Student Resource List**   **Freeside**
Contributing to Freeside's Student Resource List, a collection of computer science related resources created by staff and students at the university of hull

2021 – 2021 **Web Scraper**   **Personal**
A basic image scraper written in Python using Requests and BeautifulSoup to fetch images from a given site

2020 – 2021 **Sorting and Searching algorithm visualiser**   **York College A-Level coursework**
A-level Computer Science project written in C# as a Windows Forms Application. Sorts included are Bubble sort, Insertion sort, Merge sort and Quick sort. Searches included are Linear search and Binary search